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## U. S. DEPARTMENT OF AGRICULTURE

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### SELECTED BOOKS AND PAMPHLETS

#### AMERICAN GEO-PHYSICAL UNION

AMERICAN GEO-PHYSICAL UNION TRANSACTIONS OF 1944. 5 vols. Washington, National Research Council, 1944. 330.9 Am7

Contents.- Pt.1 Reports and papers joint regional meeting Section of hydrology, Western snow-conference, American society of agricultural engineers, Berkeley, Calif., Feb. 17-18, 1944.- Pt.2 Reports and papers General assembly, Section of geodesy, Section of seismology and Eastern section of Seismological Society of America.- Pt.3 Reports and papers Section of meteorology.- Pt.4 Reports and papers sections of terrestrial magnetism and electricity, oceanography, volcanology, and tectonophysics.- Pt.5 Reports Section of hydrology.

#### BUREAUCRACY

BIG BUREAUCRY, by Paul H. Appleby. 197 p. N.Y., Knopf, 1945. 280.12 Ap5

A former Under Secretary of Agriculture discusses the organization, personnel, and functioning of government. The book, the author writes, aims to do three things "to present one general impression of government... to comment on various proposals illustrative of possible improvements; and to give some suggestion of relative values in the public consideration of modern government."

#### COOPERATION

TERRITORY AND BASIS OF FINANCIAL STATEMENTS FOR CO-OPERATIVES - TAXATION OF CO-OPERATIVES, by W. I. Bradley. 24 p. Philadelphia, American inst. of coop. 1945. U.F. Coop.

#### DISCUSSIONS

A CHAIR FOR THREE by Helen Kusted. 60 p. Pleasantville, N.Y., The Reader's Digest program service, 1944.

This little manual suggests ways of conducting successful group discussion meetings.

## EXTENSION WORK

MY HOME LIFE GREEN MOUNTAIN, by Jane Simpson McKimmon. 352 p. Chapel Hill, Univ. of North Carolina press, 1945. 275.2 M21

Curb-markets and canning clubs, house-building and hat-making, Virginia Reels and country fairs - the work and play, the fun and discouragement of farm life in the South are found in this account of home demonstration work in North Carolina. It is the story of the people with whom Mrs. McKimmon worked for twenty-six years, and of home demonstration work which has spread to every part of the nation.

## FIGWERS

WILD FIGWERS AND PLANTS OF UTAH, by Gertrude K. Peinecke. 75p. Salt Lake City, 1943. 455.89 H36. is

Each plant formation found in Utah/described and the effect of temperature, climate, soil, rainfall, and other factors which control or effect plant growth in each formation/discussed. The illustration are by the author.  
is

## FORESTRY

SYMPOSIUM ON FORESTRY AND THE PUBLIC WELFARE. American philosophical society. Proceedings. Vol. 89, no. 2, July 18, 1945. 500 P537

Contents.- Forests in relation to soil and water, by Raphael Zon.- Wood in the national economy, by C. P. Winslow.- World-wide needs of woods as a land conservation crop. by W. C. Lowdermilk.- America's role in meeting world timber needs.- E. I. Kotok.- Forest conservation: a task in engineering and public and private cooperation, by Wilson Compton.- Public control of cutting practices on private timberlands, by J. F. Kaylor.- The role of federal, state, and local governments in promoting forestry by J. D. Black.- The American Philosophical Society and the early history of forestry in America, by Gilbert Chinard.

## GEOLOGY. ARIZONA

GEOLOGY AND ORE DEPOSITS OF THE SUPERIOR MINING AREA, ARIZONA. M. M. Short / Univ. of Arizona 1943. 159 p. and envelope of maps 398 Sh82

## GRASS

FIRST BOOK OF GRASSES: the Structure of Grasses Explained for Beginners, by Agnes Chase 125 p. W. A. Silveus 1937. 452.3 C78 1937

"The purpose of this primer is to give those with little or no knowledge of botany such an understanding of the structure of grasses as will enable them to use manuals of botany and other technical works, to the end that our native grasses may become better known and their worth and beauty be more fully appreciated."- Introduction

Grasses of the United States are used as examples throughout the text.



## HORTICULTURE

AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE. PROCEEDINGS Vol. 46 Geneva, N.Y., The Society, August 1945. 81 Sol2.

Partial contents.- Studies on control of magnesium deficiency in New York apple orchards, by Damon Boynton.- Further data on correcting magnesium deficiency in apple orchards, by Lawrence Southwick and C. T. Smith.- The minor element content of normal manganese-deficient, and manganese-treated English walnut trees, by A. P. Vanselow.- Increasing available potassium to greater depths in an orchard soil by adding potash fertilizer on a mulch, by I. W. Wander and J. E. Gourley.- A rapid method for the determination of chlorophyll in apple leaves, by O. C. Compton and Damon Boynton.- Some effects of irrigation on the interrelations growth, yields and drying ratios of French prunes, by A. H. Hendrickson and F. J. Veihmeyer.- The influence of soil pH and organic matter upon the yields of some vegetable crops, by Frank Ann and Benjamin Wolf.

## LEADERSHIP

THE TECHNIQUE OF BUILDING PERSONAL LEADERSHIP, by Donald A. Laird. 239 p. N.Y., McGraw-Hill, 1944. 140 144Te

The author of "The Technique of Handling People" gives an account of thirty-two outstanding leaders to demonstrate his thesis that leadership qualities can be acquired and developed. From these short biographies Dr. Laird develops a clear pattern for any individual to follow who wishes to become a leader in his field.

## MAIMALS

MEETING THE MAMMALS, by V. E. Cahelane. 133 p. Macmillan, 1945. 442.11C11

This is an introduction to many of our outstanding animals and serves as a useful guide to knowing them. The life history, description, and habitat of fifty-nine mammals is told. The book is illustrated by Walter A. Weber.

## NEW MEXICO

THE FAMOUS FRONTIER: Twelve New Mexico items, by W. A. Weber. 317 p. Rydal 1945 138 K27F

New Mexico of a half and three-quarters of a century ago was a bit of the last Western frontier. This is an account of some of the men who helped to give life and color to New Mexico from 1870 to 1912. Most of them were lovable old rascals, colorful, adventuresome. Several held posts of honor and importance in New Mexico. Others came as "carnetbaggers," but learned to love the Territory. Southeastern New Mexico of that period offered a golden opportunity to men seeking a new horizon of life. Many embraced the opportunity, and made the most of it.

NEW MEXICO'S FUTURE: AND ECONOMIC AND EMPLOYMENT APPRAISAL by E. I. Moulton. 153 p. Albuquerque, Univ. of New Mexico press, 1945. 280.059 M86

An analysis of the economic situation in New Mexico primarily from the employment angle. The author is Chairman of the Research Division of the Bernalillo County Committee for Economic Development.

## NEW MEXICO Cont.

County Committee for Economic Development. The possibilities of the greater development and wider utilization of the state's resources is scrutinized, and the opportunities for enlarged employment as well as the factors which appear to be unfavorable are presented.

## PHOTOGRAPHY

BASIC PHOTOGRAPHY 342 p. War Dept. Technical manual TM 1-219. Washington, U. S. Govt. print. off., 1941.

AERIAL PHOTOGRAPHY. 111 p. War Dept. Technical manual TM5-240. 1941.

## RANGE

ALONG THE BEALE TRAIL: A Photographic Account of Wasted Range Land, by H. C. Lockett and Milton Snow. 56 p. U. S. Office of Indian Affairs, 1940.

"With cameras to record the contrast, Navajo Service photographers recently followed the route of the trail-blazer, photographing identical areas which his diary describes as lush with vegetation, where clear narrow streams abound with fish and 'grass is belly high to the mules...' The pictures tell a story of wasted rangeland, crumbling walls of mud, and nature thrown out of balance by man's wanton misuse of his resources." - Introduction

## RECLAMATION LAWS

FEDERAL RECLAMATION LAWS ANNOTATED. U. S. Bur. of reclamation. 766 p. U. S. Govt. print. off. 1943

"A chronological compilation of public statutes of the United States relating to the activities of the Bureau of Reclamation of the Department of the Interior in the development and use of water for irrigation and related purposes; with notes of decisions and opinions..." Subtitle

## SHEEP

SHEPHERD'S EMPIRE, by C. W. Towne and J. W. Kentworth. 364 p. Norman, Univ. of Oklahoma press, 1945. 45 T66

This is the story of sheep in the Southwest, from their spectacular beginnings during the high tide of Spain's conquest north of Mexico to the vast industry it is today. The whole of the sheep-raising industry from Texas and New Mexico to the islands off California is surveyed, and the personalities of the men behind the flocks, both the present and the past, are portrayed.

## SOIL EROSION

SOIL EROSION AND ITS CONTROL, by Luther Goodrich Jones and Louis Melton Thompson. 283 p. College Station, Texas, Dept. of Agronomy, Agricultural and mechanical college of Texas, 1942. 56.7 J72.



## SOIL EROSION Cont.

Contents.- Introduction.- Soil erosion.- The physical factors influencing soil erosion.- The relation of erosion to the development of parent materials.- The soils of the United States.- The soil survey and its utilization in soil conservation.- Contour tillage.- Stripcropping.- Terraces.- Water conservation.- Gully control.- Crop rotation.- Cover crops and green manure.- Meadows in soil conservation.- Pastures in soil conservation.- Range conservation.- Woodland management.- Wind erosion.- Flood control.- Erosion control on highways.- Wildlife.

## WATER SUPPLY

WATER SUPPLY AND WATER PURIFICATION. 312 p. War Dept. Tech. manual TM5-295. Washington, U. S. Govt. print. off., 1942.

## WELL DRILLING

WELL DRILLING. 276 p. War Dept. Tech. manual TM5-297 Washington, U. S. Govt. print. off., 1943

## YOUTH

STATE AND COMMUNITY PLANNING FOR CHILDREN AND YOUTH. 21 p. U. S. Children's bureau Pub. 312 April 1945.

YOUR CHILD FROM ONE TO SIX. 147 p. U. S. Children's bureau Pub. 30 Rev. 1945

YOUTH IN THE RURAL COMMUNITY. Youth section, American country life assn. 30 p. Philadelphia etc., American inst. of coop. etc., 1945. U. B. Youth

## SELECTED USDA AND STATE PUBLICATIONS

### AGRICULTURAL ECONOMICS

Tostlebe, Alvin S. and others. IMPACT OF THE WAR ON THE FINANCIAL STRUCTURE OF AGRICULTURE. 199 p. Miscel. Pub. no. 567 August 1945 1 A784M

### CLIMATE

Dorroh, J. H. Jr. CERTAIN HYDROLOGIC AND CLIMATIC CHARACTERISTICS OF THE SOUTHWEST REGION. 22 p. tables U. S. Soil Conservation Service Reg. bul no. 98. April 15, 1945. 1.9608 R26

### CLOTHING

Scott, C. I. and Hergood Anne. KITWEAR MAKE-OVERS. 16 p. USDA Miscel. Pub. 575 August 1945 1 A784M

### COLLECTING

Archer, V. A. COLLECTING DATA AND SPECIMENS FOR STUDY OF ECONOMIC PLANTS. 52 p. USDA Miscel. pub. 568 March 1945. 1 A784M

"This work is intended especially for the beginner who wishes to know how to prepare plant and insect specimens for study and preservation."

## COOPERATION

AGRICULTURAL COOPERATIVES IN THE POSTWAR PERIOD 41 p. USDA Inter-bureau com. on postwar programs. July 1945. U. B. Coop.

## COTTON

Dunlavy, Henry and Parrott, I. M. MECHANICAL HARVESTING OF COTTON. 20 p. Okla. Agr. Exp. Sta. Bul. 286 Aug. 1945 100 Ok4b

## CROPS

Atkins, I. M. and Reid, D. A. WEBSTAR WHEAT. 3 p. Texas Agr. Exp. Sta. Progress report 229. 100 T31Pr

Franzke, C. J. RANCHER A LOW HYDROCYANIC ACID FORAGE SORGHUM. 8 p. South Dakota Agr. Exp. Sta. Circular no. 57 100 So82C

Franzke, C. J. REE WHEATGRASS ITS CULTURE AND USE. 8 p. South Dakota Agr. Exp. Sta. Circular no. 58 100 So82C

Grandfield, C. O. BUFFALO ALFALFA 7 p. Kansas Agr. Exp. Sta. Circ. 226. April 1945. 100 K13c

Staten, Glen and others ALFALFA PRODUCTION INVESTIGATIONS IN NEW MEXICO. 30 p. N. M. Agr. Exp. Sta. Bul. no. 323 June 1945 100 NL63b

WESTOVER, H. I. ALFALFA VARIETIES IN THE UNITED STATES. 17 p. USDA Farmers' Bul. 1731 revised Aug. 1945 1 Ag84F

## DISEASES AND PESTS

Atkins, I. M. and Dahms, R. F. REACTION OF SMALL-GRAIN VARIETIES TO GREEN BUG ATTACK. 30 p. USDA Tech. bul. 901 Oct. 1945 1 Ag84Te

Chester, K. S. DISEASES OF FIELD CROPS IN OKLAHOMA. 23 p. Oklahoma Agr. Exp. Sta. Circular C-119 October 1945. 100 Ok4c

Diebold, C. H. SELENIUM POISONING. 22 p. Soil Conservation Service. Regional bul no. 99. April 1945. 1.9608 R26

Fox, D. E. and others. FACTORS AFFECTING CURLY TOP DAMAGE TO SUGAR BEETS IN SOUTHERN IDAHO. 29 p. USDA Tech. Bul. 897. August 1945 1 Ag84Te

Preston, D. A. HOST INDEX OF OKLAHOMA PLANT DISEASES. 168 p. Oklahoma Agr. Exp. Sta. Tech. bul. no. T-21 Sept. 1945. 100 Ok4t

## FARM BUILDINGS

Ashby, Wallace and others. FUNCTIONAL REQUIREMENTS IN DESIGNING LAYING HOUSES FOR POULTRY. 16 p. USDA Circular 738. Oct. 1945 1 Ag84C



## FARM WOODLAND

Mitchell, E. C. FARM WOODLAND MANAGEMENT IN THE WESTERN CHIEF REGION. 11 p. USDA  
AIS 29 August 1945 1 Ag8/Ais

## FOOD

BAKING WITH DRIED EGGS. 16 p. USDA AIS-28 Sept. 1945 1 Ag8/Ais

Diehl, E. C. and Warner, T. F. FREEZING TO PRESERVE HOME-GROWN FOODS. 62 p.  
USDA Circular 709 August 1945 1 Ag8/C

Hankins, O. G. and Ellis, M. R. COMPOSITION AND NUTRITIVE VALUE OF PORK AS RE-  
LATED TO WEIGHTS OF ANIMALS AND CUTS. 22 p. USDA Circular 731 July 1945  
1 Ag8/C

Ientz, E. W. SOME FACTORS AFFECTING THE ASCORBIC ACID CONTENT OF CHILE. 11 p.  
W. M. Agr. Exp. Sta. Bul. 324. Sept. 1945. 100 W468b

VITAMIN A IN BUTTER.) 11 p. USDA Miscel. pub. no. 571 1945 1 Ag8/M

Woodard, E. M. FIXING FOODS FOR FREEZING 11 p. W. M. Ext. Serv. Circ. 204  
May 1945 275.29 W463E

## FOREIGN TRADE

WHEAT PEACE CAN MEAN TO AMERICAN FARMERS. EXPANSION OF FOREIGN TRADE. 21 p.  
USDA Miscel pub. 582 Oct. 1945 1 Ag8/M

## HOUSING

Fischer, V. E. THE FARMHOUSE: a list of references. 124 p. USDA Library list  
no. 19. Oct. 1945. 1.916 1612

## IRRIGATION

Blaney, H. F. SOIL MOISTURE AND IRRIGATION PRACTICE INVESTIGATIONS. 8 p. Los  
Angeles, Soil Conservation Service. Sept. 1944. U. S. Irrig.

Code, W. E. GROUND WATER SUPPLY OF PROSPECT VALLEY, COLORADO. 40 p. Colo. Agr.  
Exp. Sta. Tech. Bul. 34. Oct. 1945 100 C71st

Hastings, S. F. and Hansen, Daniel. SUBSOIL WATER INVESTIGATIONS AT THE HUNTLEY  
BRANCH STATION. 26 p. Montana Agr. Exp. Sta. Bul. 428. Feb. 1945.  
100 W76b

INTRODUCTORY GUIDE TO IRRIGATION IN THE SOUTHWEST. 88 p. Albuquerque, Soil  
Conservation Service. March 1945.

Johnston, C. N. FARM IRRIGATION STRUCTURES. 59 p. Calif. Agr. Exp. Sta. Bul.  
362, June 1945 100 C12Sc

Johnston, C. N. IRRIGATION WELLS AND WELL-DRILLING METHODS IN CALIFORNIA. 37 p.  
Calif. Agr. Exp. Sta. Circular 361. March 1945. 100 C12Sc

## IRRIGATION Cont.

Farshall, R. L. IMPROVING THE DISTRIBUTION OF WATER TO FARMERS BY USE OF THE FARSHALL MEASURING FLUME. 50 p. Colo. Agr. Exp. Sta. Bul. 488 May 1945  
100 C71Sb

Scofield, C. S. THE WATER REQUIREMENT OF ALFALFA. 11 p. USDA circular no. 735  
Sept. 1945. 1 Ag84C

Webster, C. F. and Miller, R. W. SOIL, PLANT, AND MOISTURE RELATIONSHIPS. 4 p.  
Wash. Ext. Serv. Ext. bul. 321 Feb. 1945. 275.29 W27B

## LIVESTOCK

Kendrick, J. F. THE DAIRY-HERD-IMPROVEMENT ASSOCIATION PROGRAM. 22 p. USDA  
Farmers' Bul 1974 August 1945 1 Ag84F

LIST OF SIRES PROVED IN DAIRY HERD IMPROVEMENT ASSOCIATIONS 1945. 176 p. USDA  
Miscel. Pub. 563 July 1945. 1 Ag84M

Schoening, F. W. and Crawford, A. B. OUTBREAK OF VESICULAR STOMATITIS IN SWINE  
AND ITS DIFFERENTIAL DIAGNOSIS FROM VESICULAR EXANTHEMA AND FOOT-AND-MOUTH  
DISEASE. 14 p. USDA Circular 734 July 1945 1 Ag84C

## ORCHARDS

Bregger, J. T. and Brown, G. F. CONSERVING SOIL AND MOISTURE IN ORCHARDS AND  
VINEYARDS. 30 p. USDA Farmers' bul. no. 1970. 1 Ag84F

## PASTURES

Crider, F. J. THREE INTRODUCED LOWGRASSES FOR SOIL CONSERVATION. 90 p. USDA  
Circular 730 August 1945. 1 Ag84C

Hamilton, J. G. and others IRRIGATED PASTURES FOR FORAGE PRODUCTION AND SOIL  
CONSERVATION. 30 p. USDA Farmers' bul. 1972. 1 Ag84F no. 1972.

Nelson, D. N. THE ABILITY OF CERTAIN LEHMAN-GRASS MIXTURES TO WITHSTAND GRAZING.  
2 p. N. M. Agr. Exp. Sta. Press bul. 1007 Aug. 1945 100 M46S

## PERSONNEL MANAGEMENT

TRAINING FOR PERSONNEL MANAGEMENT. 18 p. USDA Office of personnel. March 1945.  
U. B. Train.

## PLANNING

Postwar planning committee. Southwest intermountain region. PLANNING AID MAN-  
FIETS Nos. 1-2

Contents.- Forested lands; an analysis of objectives and programs.-  
Rural health and sanitation.- Range lands; an analysis of objectives and  
programs.





